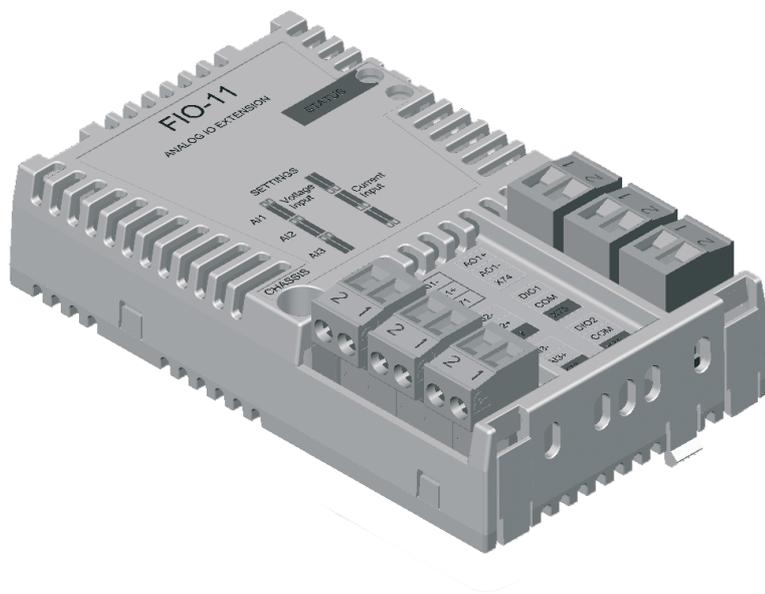


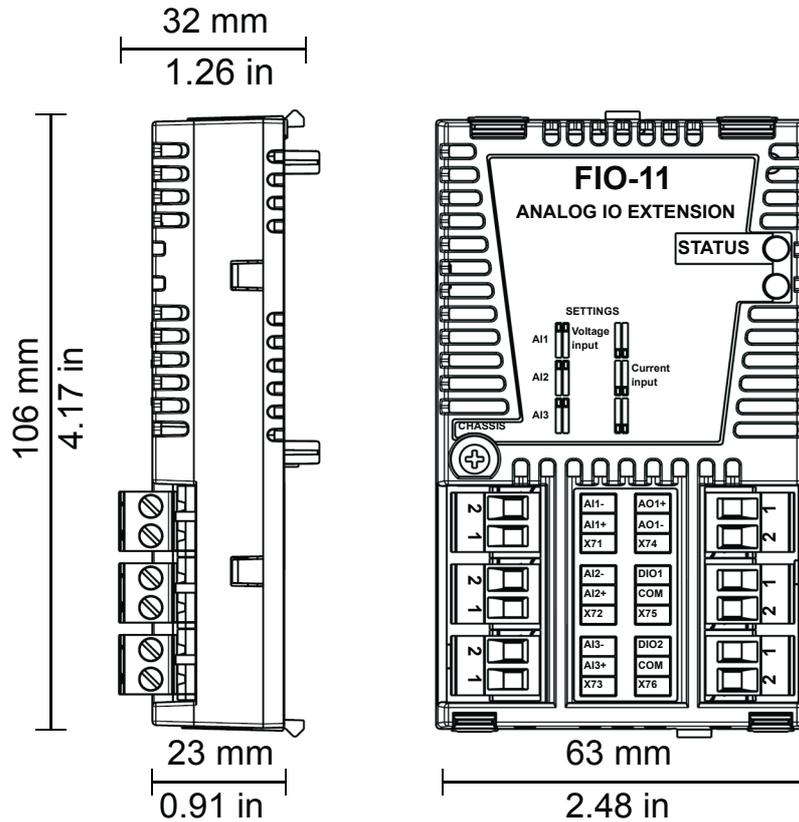
# ABB Drives

## User's Manual Analog I/O Extension FIO-11



# Technical data

## Dimensions



## General

- Max. power consumption: 300 mA at 24 V
- Degree of protection: IP20
- Ambient conditions: The applicable ambient conditions specified for the drive in its *Hardware Manual* are in effect

## Connectors

- 20 pin socket
- 6 pcs. 2-pole detachable terminal plugs.

### **Analog input**

- Input voltages: -10...10 V
- Input currents: -20...20 mA
- Differential inputs, common-mode voltage  $\pm 20$  V
- Analog to digital conversion resolution 16 bit
- Inaccuracy: 0.1% of FSR
- Input signal bandwidth DC to 4 kHz (-3 dB)
- Isolated from power supply.

### **Analog output**

- Output current: 0...20 mA,  $R_{load} < 500$  ohms
- Resolution 12 bit
- Inaccuracy 2% FSR
- Output signal bandwidth DC to 500 Hz (-3 dB).

### **Digital I/O**

- All DIOs programmable as
  - Input (default)
  - Push-pull output
  - Open collector output
- Input voltages max 30 V, reverse polarity protection
- 24 V logic levels for input: "0" < 5 V, "1" > 15 V (according to standard IEC 61131-2)
- Input impedance 2 kOhms
- Output current 50 mA source, 50 mA sink
- Outputs are short-circuit proof
- Galvanic isolation as one group